

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hidehito KOTANI, et al.

SERIAL NO: New U.S. PCT Application Based on PCT/JP03/07534

GAU:

FILED: Herewith

EXAMINER:

FOR: METHOD FOR PREDICTING A DRUG TRANSPORT CAPABILITY BY ABCG2 POLYMORPHISMS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 262507US0PCT		SERIAL NO. New U.S. PCT Application Based on PCT/JP03/07534	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hidehito KOTANI, et al.			
				FILING DATE Herewith		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	02/28894	04/11/02	WO		NO	
	AP	1 323 735	07/02/03	EP		NO	
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	NAKATOMI, Katsumi ET AL: "Mutation and quantitative analysis of breast cancer resistance protein (BCRP/MXR/ABCG2) gene in lung cancer cells and tumor tissues" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL, vol. 43, no. 3855, page 778, March 2002.					
	AX	HONJO, Yasumasa ET AL: "single-nucleotide polymorphism (SNP) analysis in the ABC half-transporter MXR/BCRP/ABCP1/ABCG2" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL, vol. 43, no. 3858, pages 778-779, March 2002.					
	AY	ALLEN, John ET AL: "A mutation hot spot in the Bcrp1 (Abcg2) multidrug transporter in mouse cell lines selected for doxorubicin resistance", CANCER RESEARCH, vol. 62, no. 8, pages 2294-2299, April 15, 2002.					
	AZ	DOYLE, L A. ET AL: "A MULTIDRUG RESISTANCE TRANSPORTER FROM HUMAN mcf-7 BREAST CANCER CELLS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE., vol. 95, pages 15665-15670, December 1998.				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	DATABASE EMBL 'Online! EBI; "603176769F1 NIH_MGC_121 Homo sapiens cDNA clone IMAG:5240944 5' " retrieved from HTTP://WWW.EBI.AC.UK, October 21, 2001.					
	AAB	HONJO, Y ET AL: "Acquired mutations in the MXR/BCRP/ABCP gene alter substrate specificity in MXR/BCRP/ABCP-overexpressing cells" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, vol. 61, no. 18, pages 6635-6636, September 15, 2001.					
	AAC	IMAI, Yasuo ET AL: "C421A polymorphism in the human breast cancer resistance protein gene is associated with low expression of Q141K protein and low-level drug resistance", MOLECULAR CANCER THERAPEUTICS, vol. 1, no. 8, pages 611-616, June 17, 2002					
	AAD	IIDA, A ET AL: "Catalog of 605 single-nucleotide polymorphisms (SNPs) among 13 genes encoding human ATP-binding cassette transporters: ABCA4, ABCA7, ABCA8, ABCD1, ABCD3, ABCD4, ABCE1, ABCF1, ABCG1, ABCG2, ABCG4, ABCG5, ABCG8" JAPANESE JOURNAL OF HUMAN GENETICS, vol. 47, no. 6, pages 285-310, June 28, 2002.					
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	AAF						
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	AAN						
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